

Serial No. 10/771,119
Amdt. dated January 16, 2007
Reply to Office Action of October 18, 2006

Docket No. K-0607

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) An uplink transmission power control method comprising the steps of:

computing command values for a plurality of base stations in a terminal in soft handover with a plurality of the base stations transmitting power control commands to the terminal; and

~~lowering uplink transmission power if the command values computed for a plurality of the base stations includes at least one power-down command~~

raising the uplink transmission power if power-up commands outnumber power-maintain commands in the power control commands.

2. (Currently Amended) The uplink transmission power control method of claim 1, ~~if there isn't the power-down command in the command values, further comprising the step of raising the uplink transmission power if power-up commands outnumber power-maintain commands in the power control commands, lowering uplink transmission power if the command values computed for a plurality of the base stations includes at least one power-down command.~~

Amdt. dated January 16, 2007

Reply to Office Action of October 18, 2006

3. (Currently Amended) The uplink transmission power control method of claim 1, if there isn't the power-down command in the power control commands, further comprising the step of maintaining the uplink transmission power if power-up commands are smaller than or equal to power-maintain commands in the power control commands.

4. (Currently Amended) The uplink transmission power control method of claim 1, if there isn't the power-down command in the power control commands, further comprising the step of raising the uplink transmission power if the entire power control commands indicate transmission power increase.

5. (Currently Amended) An uplink transmission power control method comprising the steps of:

receiving a power control command transmitted from at least one base station; computing at least one command value according to the received power control command; and

lowering uplink transmission power if the command value includes a transmission power-down command valuevalue; and

Serial No. 10/771,119

Docket No. K-0607

Amdt. dated January 16, 2007

Reply to Office Action of October 18, 2006

comparing an average of the command value to a reference value and raising or maintaining the uplink transmission power according to a result of the comparing if there is no transmission power-down command value.

6. (Canceled)

7. (Currently Amended) The uplink transmission power control method of claim 6, wherein the command value is 1 for transmission power-up, 0 for transmission power-maintain, or -1 for transmission power-down.

8. (Original) The uplink transmission power control method of claim 7, wherein the reference value is 0.5.

9. (Currently Amended) The uplink transmission power control method of claim 8, wherein, in the step of raising or maintaining the uplink transmission power according to the result of the comparing step, the uplink transmission power is raised if the average of the command value exceeds 0.5 or is maintained if the average of the command value is equal to or smaller than 0.5.

Amdt. dated January 16, 2007

Reply to Office Action of October 18, 2006

10. (Currently Amended) The uplink transmission power control method of claim 8, wherein, in the ~~step of raising~~ or maintaining the uplink transmission power according to the result of the comparing-step, the uplink transmission power is raised if the average of the command value is equal to or greater than 0.5 or is maintained if the average of the command value is smaller than ~~0,50.5~~.

11. (Currently Amended) The uplink transmission power control method of claim 2, wherein the command value computing step computes the command value corresponding to transmission power-up for ~~the corresponding~~ a corresponding base station of the plurality of base stations if transmission power-up commands keep being transmitted from the corresponding base station for five time slots, the command value corresponding to transmission power-down for the corresponding base station if transmission power-down commands keep being transmitted from the corresponding base station for the five time slots, or the command value corresponding to transmission power-maintain, otherwise.

12. (Original) The uplink transmission power control method of claim 11, wherein a reference slot of the five time slots is a first time slot of a radio frame.